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ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST

CAMBODIA, LAOS, THAILAND AND VIET-NAM

Committee for Coordination of Investigations of the Lower Mekong Basin

PLAN OF OPERATION

THE SAMBOR INVESTIGATION PROJECT FOR DEVELOPMENT

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I. INTRODUCTION

1. In 1960 the Committee for Coordination of Investigations of the Lower Mekong (hereinafter referred to as "the Committee") requested the countries concerned to provide their positive assistance in promoting the surveys of the selected sites for early development, namely, Pa Mong, Sambor and Tonle Sap, and further, at its fourteenth Session held in May 1961, requested the Government of Japan to undertake the investigation of the Sambor site.

2. In accordance with this request, the Government of Japan sent a preliminary investigation team consisting of fifteen specialists on economics and other fields in October 1961, to conduct the reconnaissance survey at Sambor. Further, in January 1962, a technical survey team was dispatched there and engaged in works such as hydrologic survey, observation of water level, etc. along the proposed dam centre line of the site. The report on the above preliminary investigations was submitted to the Committee at its Nineteenth Session held at Vientiane in January 1963 and accepted with appreciation by the Committee.

3. Prior to this, the tentative interim report on the investigations was submitted to the Seventeenth Session of the Committee held in Tokyo in March 1962. At this Session, the Government of Japan stated its intention to undertake further investigation at Sambor in the dry-season during 1962-63, which is to form a part of the Sambor Comprehensive Development Investigation.

4. Accordingly, the Government of Japan sent a technical survey team for the Sambor Project consisting of 21 members in January 1963 to conduct field investigations including hydro-electric, geological, agricultural, navigation improvement and power market investigations.

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5. At the Twentieth Session of the Committee held in Manila in March 1963, the Government of Japan expressed its intention to continue the present Mekong Investigation Programmes.

6. The actual work of this project investigation is to be implemented by the Overseas Technical Cooperation Agency (OTCA) which is an executing agency of the Government of Japan.

7. The present document sets forth a Plan of Operation for the second year (Japanese fiscal year 1963) investigation of the Sambor Development Project to be conducted in the dry season during 1963-64 by the Government of Japan in cooperation with the Committee and the Government of Cambodia.

II. GENERAL DESCRIPTION OF THE PROJECT

8. The interim report of the preliminary survey suggests that a dam, approximately 29 km in crest length and 36 m in height from the bedrock, be built at the site of the lower stream of Samboc Rapids assuming the constant high water level to be EL 40 m, with a spillway, power station and navigation lock as appurtenances. After the completion of the first stage of construction, its maximum discharge will be 2,500 m^3/sec (3,000 m^3/sec in wet season), its maximum capacity, 620,000 kW, and its annual output, 4.6 billion kWh.

9. The power produced at the Sambor Power Station will be used not only for the general purposes in Cambodia and Viet-Nam but will serve in promoting the development of local industries. Furthermore, the dam will contribute to navigation improvement and irrigation.

/ III. SCOPE OF WORK

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10. The investigation project to be conducted under this Plan of Operation covers the following scope of work.

A. Project Investigation

(1) Additional geological investigation of the proposed dam site, appurtenant structures sites and quarry.

(2) Topographical survey along the alternative dam center-line.

(3) Additional material survey of quarry around the proposed dam site subsequent to the previous year.

(4) Continuation of observation of water level at the proposed dam site and rainfall, evaporation at Kratie.

(5) Sounding survey between the proposed dam site and Kratie.

B. Project Planning

(1) Study of the results of geological survey by Australia, hydrologic survey by the United States, and compilation and analysis of data obtained from the above investigations.

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(2) Hydraulic model test of the proposed dam site, particularly the dam and the navigation lock to determine the capacity and direction of the spill-way, the location of the lock and the length of training wall thereof, etc.

(3) Soil test and aggregate test of the dam material obtained from the field investigation of the previous year, and study of the dam structure.

(4) Compilation of agricultural data.

(5) Analysis of power market data.

C. Preparation of a interim report in English

IV. PRIVILEGES, IMMUNITIES AND FACILITIES

11. The Japanese members of the survey team to be organized for the Project (hereinafter referred to as "the team") shall be entitled to the following peivileges and immunities:

(a) Immunity from legal process in respect of all acts performed by them in the execution of the Project;

(b) Immunity from national service obligations;

(c) Immunity from immigration restrictions;

(d) The privilege of bringing into the country reasonable amounts of foreign currency for the purpose of the Project or for personal use of such members, and of withdrawing any such amounts brought into the country or, in accordance with the relevant foreign exchange regulations, such amounts as may be earned therein by such members in the execution of the Project;

(e) The same repatriation facilities in the event of international crisis as diplomatic envoys; and

(f) Inviolability for all papers and documents relating to the Project.

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12. The Government shall either exempt or bear the cost of any taxes, duties, fees or levies which may be imposed by it on the Team or its Japanese members in respect of:

(a) The salaries, wages or allowances earned by such members in the execution of the Project;

(b) Any equipment, materials and supplies brought into the country in connection with the Project or which, after having been brought into the country, may be subsequently withdrawn therefrom; and

(c) Any property brought, including one privately owned automobile per person, by the Team or its members for their personnel use or consumption or which, after having been brought into the country, may subsequently be withdrawn therefrom upon departure of such members. If despite this paragraph import duties are collected, then the Government making the collection shall make an equivalent cash payment to the Team or person concerned.

13. The privileges and immunities (except for the immunity in paragraph 11 (b)) to which the Team and its personnel are entitled may be waived by the Government of Japan, where, in its opinion, such privileges and immunities would impede the course of justice and can be waived without prejudice to the successful completion of the Project or to the interest of the Team.

14. In paragraph 12 of this chapter, "the Government" refers to either one or more of the Governments of Cambodia, Laos, Thailand and Viet-Nam to which the paragraph may become applicable in its context during the course of the execution of the Project. Similarly in the preceding paragraphs "the country" refers to either one or more of the territories of Cambodia, Laos, Thailand and Viet-Nam.

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15. Subject to a separate arrangement the Committee shall take necessary measures to make available to the Team a part of petroleum and other mineral oils gifted under the contribution of the Government of Iran.

16. The Committee and the Government of Cambodia shall take all necessary steps to make available to the Team, in time for the execution of the Project, the data, materials and reports on collateral investigations and studies being carried out at present or proposed to be carried out in the future, including maps and aerial photographs.

17. The Committee shall take necessary steps to provide the hydrologic data for Cambodia subsequent to the Hydrologic data Report (1962) of Harza Engineering Co.

18. The Government of Cambodia shall provide the following:

(a) One engineer and one administrative officer for primarily liaison purpose.

(b) Free charge for ferry service and high priority for embarkation in the course of the investigation.

(c) Approval of the use of dynamite and facilities for its import, storage and transportation in the course of the investigation.

(d) Free use of a warehouse in Kratie for storage of equipments and materials.

19. The Government of Cambodia shall provide, without delay after the present Plan of Operation comes into effect, a counterpart contribution of 300,000 Riels in cash to the Embassy of Japan, Phnom Penh, and the leader of the team or its designated staff officer shall receive it therefrom.

V. COMPLETION OF THE INVESTIGATION PROJECT

20. The period required for the completion of the Investigation Project including the submission of the interim report is estimated at ten months from the commencement of the work. This will, however, be affected to a certain extent by the progress of data collection.

VI. SIGNATURES

21. Agreed on behalf of the Parties by the undersigned:

Date: 22 November 1963 — Khiou Bonthonn, For the Government of Cambodia

Date: 22 November 1963 — Oukéo Souvannavong, For the Government of Laos

Date: 22 November 1963 — Boonrod Binson, For the Government of Thailand

Date: 22 November 1963 — Trinh-Ngoc-Sanh, For the Government of the Republic of Viet-Nam

Date: 15 November 1963 — Keisuke Arita, For the Government of Japan

Date: 22 November 1963 — C. Hart Schaaf, Executive Agent to the Committee for Coordination of Investigations of the Lower Mekong Basin